

What is claimed is:

1. A process for the bonding of a plastics pipe to another plastics part by means of ultrasound welding, which comprises the steps of:

5 performing ultrasound welding with sound waves which act longitudinally with respect to the pipe axis while maintaining the arrangement of the areas to be welded substantially parallel to the pipe axis; and

10 forcing insertion of the other plastics part into the plastics pipe in such a way that there is at least some overlap between the exposure to the sound waves and the forced insertion during the ultrasound welding step.

15 2. The process according to claim 1, wherein the exposure to the sound waves is substantially simultaneous with the forced insertion.

3. The process according to claim 1, wherein the plastics pipe is a multilayer pipe comprising a barrier layer and/or comprising an internal layer which has been rendered antistatic.

20 4. The process according to claim 1, wherein the plastics pipe is a fuel line, a coolant line, a brake fluid line, a hydraulic fluid line, or a windshield washer system line.

25 5. The process according to claim 1, wherein the other plastics part is a quick connector, a branch, a valve, or a cap for the pipe.

30 6. The process according to claim 1, wherein the other plastics part is composed of an electrically conductive material, or has been internally and/or externally covered with an electrically conductive layer.

7. The process according to claim 2, wherein the plastics pipe is a multilayer pipe comprising a barrier layer and/or comprising an internal layer which has been rendered antistatic.

35 8. The process according to claim 2, wherein the plastics pipe is a fuel line, a coolant line, a brake fluid line, a hydraulic fluid line, or a windshield washer system line.

9. The process according to claim 2, wherein the other plastics part is a quick connector, a branch, a valve, or a cap for the pipe.

5           10. The process according to claim 2, wherein the other plastics part is composed of an electrically conductive material, or has been internally and/or externally covered with an electrically conductive layer.